



Docket No. DAVI190.001AUS

PATENT

**ESTABLISHMENT OF RIGHT OF ASSIGNEE TO TAKE ACTION  
AND  
REVOCATION AND POWER OF ATTORNEY**

To the Commissioner of Patents and Trademarks:

The undersigned is empowered to act on behalf of the assignee indicated below (the "Assignee"). The original assignment of the attached application for Letters Patent for the invention in a PUMP from the inventor(s) to the Assignee is being submitted herewith for recordation by the Assignment Branch. A true copy of this Assignment is attached hereto. This Assignment represents the entire chain of title of this invention from the Inventor(s) to the Assignee. I have reviewed this Assignment, and to the best of the Assignee's knowledge and belief, the Assignee is the owner of the entire right, title, and interest in the above-referenced application.

I declare that all statements made herein of my own knowledge are true, and that all statements made upon information and belief are believed to be true, and further, that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001, and that willful, false statements may jeopardize the validity of the application, or any patent issuing thereon.

The undersigned hereby revokes any previous powers of attorney in the subject application, and hereby appoints the registrants of Knobbe, Martens, Olson & Bear, LLP, 2040 Main Street, Fourteenth Floor, Irvine, California 92614, Telephone (949) 760-0404, Customer No. 20,995, as its attorneys with full power of substitution and revocation to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected herewith. This appointment is to be to the exclusion of the inventor(s) and his attorney(s) in accordance with the provisions of 37 C.F.R. § 3.71.

Please use Customer No. 20,995 for all communications.

Assignee: Nanyang Technological University

Signature: 

Printed Name: YU HOU CHEONG, ALEX

Title: DIRECTOR

Address: 50 Nanyang Avenue  
Singapore 639798

Dated: 20<sup>th</sup> day of NOVEMBER, 2003

**COPY****DO NOT RECORD -****ASSIGNMENT**

DEC 01 2003

WHEREAS, WE,

Jan MA, a Singapore citizen, residing at Blk 367 Corporation Drive #08-437, SINGAPORE 610367 and  
(2) Yin Chiang BOEY, a Singapore citizen, residing at 8 Linden Drive, SINGAPORE 288685,

hereinafter referred to as Assignor (collectively if more than one inventor is listed above), have invented certain new and useful improvements in a PUMP, the specification of which was filed on July 1, 2003 as Application No. 10/611,306

AND WHEREAS, Nanyang Technological University, with its address at 50 Nanyang Avenue, Singapore 639798 (hereinafter referred to as Assignee), desires to acquire the entire right, title, and interest in and to the invention.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor hereby acknowledges that it has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title, and interest in the United States of America, and its territories and possessions in, to and under said improvements, and any Patent Applications in the United States of America and all divisions, renewals and continuations thereof, and all Patents of the United States of America which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions; and Assignor hereby authorizes and requests the Commissioner of Patents of the United States of America to issue all Patents for said improvements to Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR HEREBY covenants and agrees that it will communicate to Assignee, its successors, legal representatives and assigns, any facts known to it respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in the United States of America.

IN TESTIMONY WHEREOF, Assignor intending to be legally bound has hereunto affixed its signature.

(1) Printed Name: Jan MA

Signature: 

This 19 day of November, 20 03

(2) Printed Name: Yin Chiang BOEY

Signature: 

This 19 day of Nov, 20 03

WITNESSED BY:

Signature: 

Printed Name: FU DONG

**DECLARATION - USA PATENT APPLICATION**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: "PUMP" the specification of which was filed on July 1, 2003 as Application No: 10/611,306.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above;

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, § 1.56;

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent, design or inventor's certificate or any PCT international application(s) listed below and have also identified below any foreign application(s) for patent, design or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed for the same subject matter having a filing date before that of the application(s) of which priority is claimed:


I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below, and insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

**Prior U.S.A. Application(s)**

Application No.: 60/415,844	Filing Date: October 2, 2002	Status: Provisional term expired
Application No.: 60/416,505	Filing Date: October 3, 2002	Status: Provisional term expired

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful, false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first inventor: Jan MA

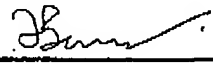
Inventor's signature: 

Day 19 Month November Year 2003

Residence (city and country): Blk 367 Corporation Drive, #08-437, Singapore 610367

Citizenship: Singapore

Post Office Address: School of Materials Engineering, Nanyang Ave, NTU,  
Singapore 639798.

Full name of second inventor: **Yin Chiang BOEY**Inventor's signature Day 19 Month Nov Year 2003Residence (city and country): **8 Linden Drive, Singapore 288685**Citizenship: **Singapore**Post Office Address: School of Mechanical Engineering, Nanyang Ave,  
NTU, Singapore 639798

Send Correspondence To:  
KNOBBE, MARTENS, OLSON & BEAR, LLP  
Customer No. 20,995

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